

2009 WSU EXTENSION HARD SPRING WHEAT NURSERY AT CONNELL, WA.

Variety Name <i>*HDVWH Italized</i>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2009				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
<i>OTIS</i>				31	62.6	14.6	27	154
<i>WA008100</i>				31	61.7	14.3	26	155
SCARLET	25	25	24	30	61.3	16.0	24	154
LASSIK				29	62.5	14.7	19	153
<i>WA008078</i>				28	62.0	15.7	24	151
<i>WA008101</i>				27	61.7	14.5	23	152
HOLLIS	24	22	21	26	61.3	16.0	26	153
VOLT		22	23	26	63.6	14.6	21	154
<i>RSII0348W</i>				26	62.9	14.4	20	152
BULLSEYE			21	26	63.7	16.2	19	153
UI WINCHESTER			20	26	62.6	15.2	20	152
<i>BZ903-445WP</i>				26	61.7	15.9	22	153
JEFFERSON	24	22	21	25	62.1	16.6	21	151
<i>WA008079</i>				25	62.1	15.6	24	153
WA008076				25	62.3	15.8	27	151
WA008072				25	62.1	15.8	22	151
<i>BLANCA GRANDE</i>				24	62.8	15.8	19	149
HANK	23	21	21	24	61.7	16.3	21	152
BUCK PRONTO	21	20	20	24	61.3	17.1	21	150
<i>CLEAR WHITE</i>				24	62.4	14.2	19	151
OR4990114				24	62.3	15.5	21	152
<i>MACON</i>				23	61.6	15.8	21	152
TARA 2002	22	20	19	23	60.6	16.5	22	150
WA008027		21	21	23	60.8	16.9	26	153
WA008075				23	62.4	16.3	22	151
JEDD		18	18	22	62.9	16.1	19	152
WA008074				22	62.2	16.1	21	150
WESTBRED 926	21	18	18	21	61.5	16.8	21	151
KELSE		20	20	21	61.8	17.0	24	154
NPBHR70			18	21	61.3	16.7	21	151
C.V. %	8	8	9	9	0.5	3.2	5	1
LSD '@ .10'	1	1	2	3	0.8	0.7	2	2
Average	23	21	20	25	62.1	15.8	22	152
Highest	25	25	24	31	63.7	17.1	27	155
Lowest	21	18	18	21	60.6	14.2	19	149

1. Grain yield in the Connell hard spring wheat trial averaged 25 bu/ac, 9% higher than the average 5-year yield for this location. The Connell spring nursery was located about 5 miles east of Connell, WA (D. Bauermeister farm).
2. This nursery was seeded on 18 March, 2009 following summer fallow. Seed was placed at a 60#/acre seeding rate using a double disc plot drill set on 6-inch spacing. Base fertilizer was 45#N and 15#S fall applied and soil test analysis showed an additional 165#N available. Spring seeding conditions were adequate and some spring rain made the outlook good for the spring crop until heading, when lack of moisture limited yield. The alpha lattice experimental design did not improve variation accountability compared to an RCBD design in this trial.
3. Yields ranged from 20 bu/ac to 31 bu/ac, with a CV of 9%. Yield values within the LSD range of the highest yield are shown in bold and 4 of the 30 entries are in this group. Hard white entries are listed in italicized print.
4. Test weights were very good with an average of 62.1 lb/bu. Grain protein averaged 15.8% with a range of 14.2% to 17.1% and is high due to the yield level and the available N at this site. The average plant height was 22 inches.